KRISHN PARASAR

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EDUCATION

B.E. Computer Science, BITS Pilani   July 2024
CGPA: 8.01

EXPERIENCE

Program Associate, Quantitative Analytics   July 2024 – Present
Wells Fargo

- Part of the **Corporate Investment and Banking Risk** division, focusing on **market and counterparty risk analytics**.
- Developing and maintaining **risk backtesting models** to enhance risk management strategies.

Engineering Intern   January 2024 – July 2024
Atomicwork Inc.

- Developed features for a **virtual assistant** integrated with Slack and Microsoft Teams, utilizing **Python, LangChain, OpenAI, and Flyte** to implement a **Retrieval-Augmented Generation (RAG) pipeline**.
- Designed and optimized **data ingestion workflows** and **Natural Language Understanding (NLU) services**, improving contextual accuracy and response quality.

Software Engineering Intern   June 2023 – July 2023
iCIMS Talent Acquisition

- Developed a **dynamic DocuSign analytics dashboard** using **React.js, Node.js, and MySQL**, providing real-time insights from the **DocuSign API** to support data-driven decision-making.
- Built a **secure and scalable backend** with robust unit tests, ensuring **data integrity and compliance** with security standards.

App Developer   June 2022 – July 2022
MASTH UltraHive Healthcare Ltd

- Collaborated on the development of a **company-wide mobile application**, enhancing user engagement and functionality.
- Developed and integrated an **AI-powered chatbot** using **Dialogflow and Flutter**, improving **user navigation and support** within the app.

PROJECTS

Finalyser: Multi-Agent Hierarchical Financial Analysis Tool A research tool leveraging **LangGraph** to implement hierarchical multi-agent frameworks for financial data analysis, research, and prediction. The system consists of two primary nodes:

- **Data Fetch and Store Node**: Retrieves financial data using **YFinance API** and ingests financial documents (balance sheets, income statements) into a **FAISS** vector database.
- **QnA Node**: Processes user queries using three sub-nodes—**Vector Search**, **PostgreSQL Query**, and **Web Scraper**—to retrieve financial insights.
- Utilizes **Python, FAISS, PostgreSQL**, and **Tavily APIs** to provide a comprehensive financial research tool.

deCrypt: An e-commerce website A responsive and functional web app using **Node**, **HTML/CSS**, and **MySQL** for an e-commerce platform using **tf-idf algorithm** for content recommendation and **Solidity** based on **Ganache** for payment using Blockchain. Features include:

- Creating, updating and deleting a profile by filling in all the detail for seller and the user, and adding products on the platform by seller, which can be brought by the user.
- Content recommendation system built using **tf-idf algo** for user-specific recommendation and in searching for a product.
- Uses a Blockchain-based payment system for the user to pay to the seller, to increase trust.

SKILLS

Languages	C, C++, Python, SQL, R, Solidity, HTML, CSS, JavaScript
Framework	NodeJS, ReactJS, Express, Scikit